CLAIMS

1. An electromagnetic noise suppressor having:

magnetic resonance frequency is 8 GHz or higher; and

the imaginary part μ''_H of complex magnetic permeability at 8 GHz is higher than the imaginary part μ''_L of complex magnetic permeability at 5 GHz.

2. An electromagnetic noise suppressor according to claim 1, comprising:

a composite layer formed by integrating a binding agent and a magnetic material.

3. An electromagnetic noise suppressor according to claim 2, wherein the composite layer is formed by physically vapor-depositing the magnetic material onto the binding agent.

4. An electromagnetic noise suppressor according to claim 2, wherein the binding agent is a resin or a rubber.

5. An electromagnetic noise suppressor according to claim 3, wherein the binding agent is a resin or a rubber.

6. The electromagnetic noise suppressor according to claim 2, wherein the binding agent is a hardening resin.

7. The electromagnetic noise suppressor according to claim 3 wherein the binding agent is a hardening resin.

8. A method of manufacturing an electromagnetic noise suppressor, comprising:

physically vapor-depositing a magnetic material onto a binding agent to form a composite layer on the surface of the binding agent, thus obtaining an electromagnetic noise suppressor having a magnetic resonance frequency of 8 GHz or higher, and the imaginary part μ''_H of complex magnetic permeability at 8 GHz higher than the imaginary part μ''_L of complex magnetic permeability at 5 GHz.

9. A structure with an electromagnetic noise suppressing function, at least a part of which surface is covered with the electromagnetic noise suppressor of any one of claims 1 to 7.

10. A structure with an electromagnetic noise suppressing function according to claim 9, wherein the structure is a printed wiring board having electronic components mounted thereon.

11. A structure with an electromagnetic noise suppressing function according to claim 9, wherein the structure is a

semiconductor integrated circuit.

12. A method of manufacturing a structure with an electromagnetic noise suppressing function, comprising:

a coating process of coating at least a part of the surface of the structure with a binding agent; and

a vapor deposition process of physically vapor-depositing a magnetic material onto the binding agent to form a composite layer on the surface of the binding agent.